# G777,G27
# A777,A20

## VEHICLE SECURITY SYSTEM
## PRODUCT MANUAL

# Limited Lifetime Warranty

This vehicle security system is warranted to the original purchaser, to be free from defects in material and workmanship. The manufacturer will repair or replace at its option, and free of charge for the first twelve (12) months, any part that proves defective in material or workmanship under normal installation, use, and service, provided the product is returned to the manufacturer freight prepaid. After the first 12 month of the warranty period there will be a maximum service charge of $50.00 per calendar year (if required) for repair and/or replacement of any defective parts.

**A copy of the original purchase and installation receipt must accompany any products returned for warranty service.** Warranty is limited to defective parts and/or replacement parts only and excludes any incidental, and consequential damages connected therewith.

The manufacturer of this theft deterrent system makes no warranty against the theft of the vehicle or its contents. This warranty is not to be construed as an insurance policy against loss.

WARRANTY OF INSTALLATION LABOR, REMOVAL AND RE-INSTALLATION CHARGES ARE NOT THE RESPONSIBILITY OF THE MANUFACTURER.

## Note: This Warranty is voided if the product was not installed by an Authorized ScyTek Dealer.

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# About Your System

Congratulations on your purchase of this state-of-the-art vehicle security system from ScyTek Electronics. With proper installation this system will provide superior protection and performance for many years to come.

## System Contents:

- Main Unit
- One 2-Way LCD Remote Transmitter and one 1-Way Remote Transmitter, G777, A777
- Two 1-Way Remote Transmitter, G27, A20
- 2-Way Pager Transceiver Antenna, G777, A777
- 6-tone Siren
- Dual Stage Shock Sensor
- Status LED
- Coded Override/Valet Switch, G27, A20
- Coded Override/ Valet Switch /LED/ Call Button built into the antenna, G777, A777

## Options and Accessories*

This ScyTek system includes several optional inputs and outputs allowing the creation of a completely personalized security and convenience system by offering many optional features

- MobiLink Upgrade, Arm/disarm/locate with a Smart phone or PC
- Second Car Operation
- Remote Door Locking
- Two Stage Door Unlocking
- Starter Defeat
- Horn Honk
- Illuminated Entry
- Remote Window Control
- Remote Car Start
- Power Trunk / Hatch Release
- Glass Breakage Sensor
- Radar Sensor
- Auxiliary Lighting Control
- Back-up Battery Siren
- Factory Alarm Upgrade using Factory Key Fob

such as:

***May require additional parts and/or labor, see store for details.**

**PLEASE NOTE:**

**Some of the features described in this manual may require additional parts and/or labor, and may not be included as part of the standard installation of this unit. Additionally, many features of this security system have selectable options that must be activated or programmed during the system's installation. These items will be identified in the following sections. Please discuss these features and any questions you may have regarding the installation of this product with Your Authorized Dealer.**

## *2-way LCD Remote Transmitter Description*

***Page 1***

*Button 1* Arms and Locks the system and when held for 5 seconds, activates the system's Panic feature. Button 1 also locks the doors when the system is in Valet Mode.

*Button 2* Disarms and Unlocks the system. Pressing Button 2 again operates the Passenger Unlock feature (*if installed*). *Button* 2 also unlocks the doors when the system is in Valet Mode.

*Button 3* Activates the Auxiliary 1 output normally used for trunk release (*note trunk icon on button*).

*Button 4* Activates the Remote Start feature.

*Button 5* is the Confirmation, Programming and the Page Shift button. Quickly pressing button 5 will activate the Page 2 function. Pressing button 5 for 2 seconds activates the system's confirmation feature which will then display the current status of the system (*armed, disarmed, engine running, etc.*).

***Page 2***

*Button 1* Silently Arms/Locks the system.

*Button 2* Silently Disarms/Unlocks the system.

*Button 3* Activates the Auxiliary 2 output.

*Button 4* Aux 3 or Factory Rearm output.

*Button 5* Not Implemented. ***Page 3 & 4*** *are used as* ***Page 1 & 2*** *for second car operation*

## *LCD Transmitter Battery Replacement*

Your Pager Remote Transmitter uses a 1.5 volt AAA alkaline battery, which will require replacement in time. Depending on the amount of use, the battery may last up to 3 months before it needs replacement. When the battery needs replacing, the system's operating range will decrease, the LCD display will show only one of three bars in the battery icon, or the display and sounds may suddenly stop and start as the battery voltage drops below minimum.

In order to change the battery, first slide the battery door locking pin to the side. Carefully slide the battery cover downward until it is free. While replacing the battery make sure that the positive and negative terminals are positioned correctly, then carefully reassemble the transmitter case.

## *Setting The Time*

The LCD display is equipped with a 12-hour clock

Set the time:

1. Press and hold Buttons 2 and 3 for three seconds.
   · The remote will beep two times and three bars will be shown indicating time set mode is entered.
2. Press and release Button 2 until the correct hour is displayed. (hold button to scroll).
3. Press and release Button 3 until the desired minute is displayed. (hold button to scroll).
4. When the desired time is displayed, press Button 5 to store.
   · The remote will beep 3 times to indicate the time has been set.

## *Setting the control unit internal Auto Daily Start time*

The Autostart function is set to a time of a day.

Set the unit Autostart clock function:

1. Press and hold Buttons 2 and 3 until the remote beeps two times.

·"Daily Start" icon will turn ON .

2. Press Button 2 until the desired hour is displayed.
3. Press Button 3 until the desired minute is displayed. The button may be held down to scroll faster.
4. When the desired time is displayed, press Button 1 to send to the daily start time to the control unit.
   · The remote will send and receive confirmation, the responce will display the daily start time set in the unit.

## *Setting the pager Auto Daily Start Function* ( transmitter must be within 1500ft to reliably start)

The Daily Start Function provides a timer that allows the vehicle to automatically remote start at a preset time of day , everyday until the feature is turned off.

Set the pager Autostart clock function:

1. Press and hold Buttons 2 and 3 until the remote beeps three times.

·"Alarm On " icon wil turn ON .

2. Press Button 2 until the desired hour is displayed.
3. Press Button 3 until the desired minute is displayed. The button may be held down to scroll faster.
4. When the desired time is displayed;
   press Button 5 to turn ON the daily start time
   press Button 1 to turn OFF the daily start time

***Power Save Mode***

Power save mode disables automatic pager operations, alarm and starter status must be checked manually using button 5 for confirmation.

1. Press and hold Buttons 2 and 3 until the remote beeps six times.
   · "PS" is shown indicating Power Save set/reset mode is entered.
2. Press Button 1 to toggle Power Save On/Off.
   · The remote will display On or Off indicating the current status of the pager.

Pager power save mode status is indicated bellow

***LCD Backlight***

Transmitter Button 5 is used for confirmation, transmitter programming, as well as activation of the LCD backlighting for use in the dark. Press and release button 5 momentarily to activate the LCD backlight.

***System Confirmation***

The 2-way transmitter's confirmation feature allows the current vehicle status to be displayed at any time. To display system status:

1. Press and hold Button 5 until the display shows CON.
   · The transmitter will beep once.
2. Release Button 5.
   · The transmitter will beep once.
   · The LCD panel will display the current system status.

***Programmable Functions using the LCD Transmitter***

Pressing and holding transmitter button 5 will scroll through several transmitter programmable options -

Normal Mode

Power Save Mode

**DEG, AUTO, SPCL, SSCL, C St, H St, A St, Snd** .

**DEG** Check the temperature inside the vehicle

1. Press and hold Button 5 until the display shows DEG
   ·The transmitter will beep twice.
2. Release Button 5.
   · The transmitter will beep four times.
   · The LCD panel will display the temperature inside the vehicle

**AUTO** display starter autostart enabled features.

1. Press and hold Button 5 until the display shows AUTO.
   The transmitter will beep three times.
2. Release Button 5.
   The LCD panel will display what starter auto start features are enabled.

**SPCL** Program the pager time of a day clock from the internal Remote Starter clock, the remote starter sends its time to the pager.

1. Press and hold Button 5 until the display shows SPCL.
   The transmitter will beep four times.
2. Release Button 5.
   The pager will display the new time.

**SSCL** Program the remote starter time of a day clock from the pager

1. Press and hold Button 5 until the display shows SPCL.
   The transmitter will beep five times.
2. Release Button 5.
   The pager will display confirmation that the starter clock is sync.

**C St** Auto Start Cold Temperature Activation Mode.

1. Press and hold Button 5 until the display shows **C St**.
   The transmitter will beep 6 times.
2. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show Auto Start Cold Temperature setting.
3. Press and hold Button 5 until the display shows **CON**.
4. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show "**ON**" indicating that Auto Start Cold Temperature Activation Mode is enabled.

**H St** Auto Start Hot Temperature Activation Mode.

1. Press and hold Button 5 until the display shows **H St**.
   The transmitter will beep 7 times.
2. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show Auto Start Hot Temperature setting.
3. Press and hold Button 5 until the display shows **CON**.
4. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show "**ON**" indicating that Auto Start Hot Temperature Activation Mode is enabled

**A St** Auto Start Daily Activation Mode.

1. Press and hold Button 5 until the display shows **A St**.
   The transmitter will beep 8 times.
2. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show Daily Auto Start time setting.
3. Press and hold Button 5 until the display shows **CON**.
4. Release Button 5.
   The transmitter will beep once.
   The LCD panel will show "**ON**" indicating that Daily Auto Start Activation Mode is enabled

**SND** sound function selects the transmitter's confirmation mode - Tone or Vibration mode.
Set the transmitter confirmation tones ON or OFF:

1. Press and hold Button 5 until the display shows SND.
   The transmitter will beep 9 times.
2. Release Button 5.
   The transmitter will beep once.
   The LCD transmitter will beep 5 times and display “on” if the sounds are enabled or vibrate and display "off" for the Remote to vibrate.

# Pager Icon Description

| | | | |
|---|---|---|---|
| Battery Status | | Siren On | |
| Valet | | Vibration SensorTriggered | |
| Starter Status | | Hood Sensor Triggered | |
| Chirp Disable | | Trunk Sensor Triggered | |
| Timer Start Enabled | | Vibration On/Sound Off | |
| Alarm Clock | | Sound On/Vibration Off | |
| Daily Start Enabled | | Transmit | |
| Temperature Start Enabled | | | |
| Lock/Unlock Status | | | |

## *Adding/Replacing 2-way LCD Transmitters* **(2 LCD remotes maximum)**

When adding an optional 2-way LCD transmitter to the system, follow these steps:

1. Turn on the ignition key On, Off, On, Off, On, Off, and back On. (Key On 4 times)
   - The siren will chirp 4 times.
2. Press and hold the Override switch for 5 seconds.
   - The siren will chirp 4 times.
   - The LED will illuminate.
3. Press Button 1 on the first transmitter, then on the second transmitter.
   - The siren will chirp once for each transmitter learned.
4. Turn off the ignition key.
5. The siren will chirp 3 times to indicate the system has exited programming mode.

## *Remote Transmitter Description*

G777,G27

A777,A20

The G777,G27,A777,A20 is supplied with 5-button Remote Transmitter used to control system operations.

*Button 1* Arms and Locks* the system and when held for 5 seconds, activates the system's Panic feature. *Button* 1 also locks the doors when the system is in Valet Mode.

*Button 2* Disarms and Unlocks* the system. Pressing Button 2 again operates the Passenger Unlock feature (if installed). Button 2 also unlocks the doors when the system is in Valet Mode.

*Button 3* Activates the Auxiliary 1 output. This output will remain on for as long as the button is pressed.

*Button 4* Activates the Auxiliary 2 output. This output will remain on for as long as the button is pressed.

*Button 5* is the Page *Shift* button. The Page Shift button will change the function of Buttons 1 through 4 each time it is pressed, allowing access to additional features or multiple car operation. Each time the Shift Button is pressed, the LED on the transmitter will illuminate and the transmitter functions will shift to the next page, allowing access to another set of features. Once shifted to another page (there are 4 pages total), the transmitter will remain on that page for 10 seconds or until a button is pressed, then return to page 1. Each time a transmitter button is pressed and held, the LED will flash a number of times to indicate from which page it is transmitting. Under normal operation, only pages 1 and 2 are used. Pages 3 and 4 are usually used for Two Car Operation.

*Shift then Button 1* Arms and Locks* the system silently.

*Shift then Button 2* Disarms and Unlocks* the system silently.

* **If the Optional Keyless Entry Feature is installed.**

## *Adding/Replacing One-Way Transmitters*

To replace lost or stolen transmitters or to add additional transmitters into the system, have all desired transmitters ready and follow the steps below.

**Note**: Up to 4 one-way transmitters can be programmed to operate the system. Any previously stored transmitter code will be erased if it is not programed within the following sequence.

To program the transmitter(s):

1. Turn on the ignition key On, Off, On, Off, and back On.
   - The siren will chirp 3 times.
2. Press and hold the Override switch for 5 seconds.
   - The siren will chirp 5 times.
   - The LED will illuminate.
3. Press Button 1 on the first transmitter.
   - The siren will chirp once.
4. Repeat step 3 for each transmitter (up to 4).
5. Turn off the ignition key.

## *Two Car Operation*

If two vehicles are equipped with G777,G27,A777,A20 systems, for convenience both can be operated using the same remote transmitter. If all four transmitters are to be used with both cars, program transmitters A and B into the first vehicle in the manner described above. Program transmitters C and D by pressing the Shift button twice before performing step 3 above.

When finished programming the first vehicle, program transmitters C and D into the second vehicle as normal, then program transmitters A and B by pressing the Shift button twice before performing step 3 above.

When programmed in this manner, the driver of the first car can also operate the second vehicle by pressing the Shift button twice and the desired function button.

## *Battery Replacement*

Your Remote Transmitter uses battery type 2016 for G777,G27 and 23A for A777,A20 which will require replacement in time. Depending on the amount of use, the battery may last up to 24 months or more before it needs replacement.

When the battery needs replacing, the system's operating range will decrease or the transmitter LED may not be as bright.

In order to change the battery, first remove 2 screws from the back of the transmitter and separate the top and bottom halves of the case.

While replacing the battery make sure that the positive and negative terminals are positioned correctly, then carefully reassemble the transmitter case.

# System Operation

## *Remote Arming*

The system monitors 4 independent areas (***zones***) while armed: doors, hood/trunk, shock sensor and optional sensor input.

To Arm the System:

1. Turn off the ignition.
2. Press Button 1.
   - The siren will chirp once.*
   - The doors will lock.
   - The parking lights will flash once.
   - The LED will turn on, to indicate the starter defeat is activated.
3. 5 seconds after Arming:
   - The LED will start blinking to indicate that the doors and hood/trunk inputs are being monitored.

*** During Arming, if the system detects a bad sensor or an open zone, the system will chirp 4 additional times and ignore that input, but keep all other areas protected.**

Once Armed, the alarm will trigger when any of the following occurs:

- **The doors are opened.**
- **The hood or trunk is opened.**
- **The shock sensor detects an impact to the vehicle.**
- **The optional sensor is disturbed.**

When the alarm triggers, the siren will sound, the horn will honk, and the parking lights will flash. If the system is triggered by the doors, or hood/trunk, the system will alarm for 45 seconds. If triggered by the shock sensor or optional sensor input, the system will alarm for 30 seconds.

In the event the alarm is triggered and remains triggered continuously by the same sensor or input during a single arming cycle, that sensor or input will be automatically bypassed until the next time the system is armed.

If the Shock Sensor detects a light impact to the vehicle, or the Optional Sensor's warn-away zone is disturbed, the siren will chirp 5 times as a warning indication.

## *Remote Disarming*

To Disarm the System:

Press Button 2

- The siren will chirp twice.*
- The doors will unlock.
- The parking lights will flash twice and remain on for 30sec..
- The dome light will turn on.**
- The LED will turn off.

*** During Disarming, if the system was triggered while away from the vehicle, the siren will chirp 3 times, the parking lights will flash 3 times, and the LED will flash to indicate triggered zone. See *Tamper Alert* for zone listing.**

**** If the optional Dome Light Activation Feature is installed.**

## *Tamper Alert*

If the system was triggered while away, the LED will flash to indicate which zone triggered the system after disarming and turning on the ignition. The LED indication will repeat 8 times.

LED Flashes:

| | | |
|---|---|---|
| **1 flash** | **=** | **optional sensor** |
| **2 flashes** | **=** | **shock sensor** |
| **3 flashes** | **=** | **not used** |
| **4 flashes** | **=** | **door** |
| **5 flashes** | **=** | **trunk** |
| **10 flashes** | **=** | **main power interrupt or system was reset** |

**example: flash-flash-pause-flash-flash-pause = shock sensor**

## *Silent Arming/Disarming*

The system can be programmed to operate without Arm and Disarm chirp indications. When programmed for full-time silent operation, the siren will sound only when the system is triggered.

The system is also capable of temporary silent operation if desired. Pressing the Shift button before Arming or Disarming the system will bypass the chirp confirmations and allow one-time silent operation.

**Note: The open zone warning chirps will not be bypassed when the system is Armed or Disarmed silently.**

## *Passive Arming*

When programmed for the optional Passive Arming feature, the system arms itself automatically, each time the ignition is turned off and all of the doors, hood, and trunk are closed.

To start the Passive Arming Process:

1. Turn off the ignition.
2. Open the door and exit the vehicle.
   - Once all doors are closed and the dome light is off, the LED will begin flashing rapidly. Parking Lights will flash twice three seconds after passive arming cycle began.
3. After 30 seconds,
   - The siren will chirp.
   - The parking lights will flash.
   - The doors will lock.*
   - The status LED will begin flashing.
4. The system is now armed.

*** If the Passive Locking feature is selected.**

## *Panic Mode*

In the event of an emergency, the transmitter's remote Panic feature can be used to instantly trigger the alarm.

To activate the Panic Mode:

1. Press and hold Button 1 for 5 seconds.
   - The alarm will sound.
   - The parking lights will flash.
   - The doors will unlock* allowing access to the vehicle.
2. Press Button 2 to stop Panic Mode.

*** If the ignition is on when the Panic feature is activated, the doors will lock for personal safety.**

## *Emergency Override*

If the transmitter becomes lost or inoperable, the system can still be disarmed using the following procedure. Before beginning this procedure be sure to have the ignition key ready and know the location of the override switch.

To Emergency Override the system:

1. Unlock the door using the key.
2. Enter the vehicle.
   - The system will trigger and the siren will sound.
3. Turn the ignition key on.
4. Press and hold the override switch until the system disarms.
5. The vehicle will now be able to start.

## *Optional Coded Emergency Override*

As an extra measure of security, the system is equipped with an optional Coded Emergency Override feature. Once an Emergency Override Code is chosen and programmed during installation, the system can no longer be disarmed using the standard override procedure.

To Emergency Override the system using the Code:

1. Follow steps 1-3 above.
2. Press the override switch a number of times equal to the Disarm code, and continue holding for 10 seconds on the last press.
   - The system will disarm. If the code is entered incorrectly, turn off the ignition and begin again.

To set the Emergency Override Code:

1. Turn on ignition.
2. Within 5 seconds, press the valet switch 5 times.
   - The siren will provide one long chirp, indicating that you have entered Programming.
3. Press the valet switch 4 times.
   - The siren will chirp each time the valet switch is pressed.
4. Within 5 seconds, press Button 3 on the transmitter.

- The siren will chirp 3 times.

5. Press the valet switch the number of time equal to the desired code (from 1-15).
6. Turn off the ignition then arm the system.
7. Disarm the system using the new Override Code to permanently store the new code.

**Note: If the code set procedure is not properly performed, turn off the ignition and begin again. The override code will not be permanently stored until the code is used to disarm the system.**

## *Automatic Rearming*

The Automatic Rearming feature is designed to protect the vehicle in the event the system is accidentally disarmed. With the Automatic Rearming feature enabled, the alarm will automatically rearm and lock 30 seconds after disarming.

* **Note** Door open trigger does not stop the Rearm Cycle

## *Valet Mode*

The Valet Mode temporarily disables the security system so the vehicle may be operated by a mechanic or parking attendant.

To activate or deactivate the Valet Mode:

1. Turn on the ignition.
2. Press and hold the override switch for 5 seconds.
   - The siren will chirp once and the LED light will stay ON to confirm the Valet Mode is on.
   - The siren will chirp twice and the LED light will turn OFF to confirm the Valet Mode is off.
3. Turn off the ignition.

While in Valet Mode the remote transmitters will continue to lock and unlock the doors, and operate the optional auxiliary functions.

## *DRIVER CALLING/PAGE FEATURE*

The G777, A777, is equipped with a Driver Calling or Paging feature that allows the system to send a page to the LCD transmitter in the event the transmitter has been misplaced or lost (within 1500 feet)

To activate the Driver Calling/Page feature:

1.Locate the Valet/Emergency Override button in your vehicle (Ask your installation shop)

- With the ignition switch OFF, press and hold the Valet/Emergency override button for 2 seconds, then release.

# Extended Features

## *Ignition Controlled Door Locks*

For added safety, the Ignition Door Locking feature allows vehicles equipped with power door lock systems to automatically lock the doors when the ignition is turned on, and unlock the doors after the ignition key is turned off. If a door is open when the ignition is turned on, the ignition locking feature is disabled to protect against locking the keys inside the vehicle.

## *Dome Light Activation*

If the optional Dome Light Activation feature is installed, the dome light will turn on when the system is disarmed using the Remote Transmitter. The dome light will remain on for 30 seconds or until the ignition is turned on.

## *Auxiliary Function Outputs*

The G777,G27,A777,A20 system is equipped with 2 Auxiliary Outputs allowing the convenience features of the system to be further expanded. These outputs can be used to add a number of optional features such as: power trunk release, remote engine start, power window activation, power sunroof control, and more.

## *Disarm with Auxiliary Function*

If Auxiliary 1 is installed to activate the vehicle's trunk release, the system can be programmed to automatically disarm the alarm when the trunk is opened using the transmitter. In this manner, the trunk can be accessed without first disarming the alarm.

## *Remote Sensor Disable*

When parking the vehicle in areas susceptible to unwanted disturbance from animals or strong weather conditions that could cause the sensors to trigger, the sensor inputs can be temporarily bypassed using the Remote Transmitter, preventing possible false alarms.

To disable the sensor inputs :

1. Arm the system normally.
2. Within 5 seconds of Arming the system, press the Arm button again.
   - **The siren will chirp 5 times and the parking lights will flash 5 times to indicate the sensors are disabled.**
   - **The sensors will remain disabled until the next arming cycle.**

## *Anti-Carjacking Protection*

For a higher level of personal security, the system is equipped with three programmable Anti-Carjacking modes. When any Anti-Carjacking mode is triggered, the parking lights will flash twice to confirm activation. After 90 seconds the siren will begin chirping for 15 seconds as a warning, prior to entering full alarm mode. During the full alarm mode, the siren will sound, the parking lights will flash, and the horn will honk for up to five minutes or until the system is reset.

**Manual. When selected, pressing Button 4 of one way remote, or page 2 button 3 of the LCD remote, with the ignition ON will automatically trigger the Anti-Carjacking feature. Press the Button again to reset the Manual Anti-Carjacking mode.**

**Passive. When selected, the Anti-Carjacking feature will activate whenever a door is opened while the ignition is on. Press the Valet switch 1 time to reset the Passive Anti-Carjacking mode.**

**Full-Time. When selected, the Anti-Carjacking feature will automatically activate each time the ignition is turned on. Press the Valet switch 1 time while the ignition is on to reset the Passive Anti-Carjacking mode.**

# System Installation

1. Thoroughly read and become familiar with the installation instructions before beginning the installation.

2. Review system contents:
   Main Unit
   1 One-Way 5-Button Remote Transmitter
   1 Two-Way 5 Button LCD Transmitter
   Siren
   Shock Sensor
   Harnesses
   Receiver Antenna

   - 14-Pin main harness
   - 4-Pin shock sensor harness
   - 3-Pin door lock harness
   - LED harness
   - Valet Switch harness
   - Receiver Harness

3. Verify with the owner, the mounting locations for all visible components, including the LED and Override switch.

4. Verify with the owner, the optional features of the G777,G27,A777,A20 and the functions that must be programmed during installation.

5. Inspect and perform a function test of all vehicle systems before and after the installation.

6. Always use a Volt / Ohm meter for testing vehicle circuits. Never use a test light.

7. Always look before drilling any holes or mounting self-tapping screws. Be sure fuel lines and exterior wiring looms are clear as they are often close to the chassis and difficult to see.

8. Protect all wires running from the engine compartment to the interior of the vehicle by covering with electrical tape and split loom tubing. Be sure to use a grommet when routing wires through the firewall.

9. Properly fuse any additional accessories such as window modules, door lock actuators, etc., making sure to power them separate from the alarm module. This will ensure the functionality of the security system in the event of an accessory failure.

## *Mounting the Control Unit*

The control unit must only be mounted in the interior of the vehicle. Do not mount the main unit in the engine compartment. Choose a mounting location that will not be easily accessible to a thief, and will not interfere with the operation of any vehicle components such as foot pedals, steering column, air vents, seat rails, etc.

Do not mount the control unit until after setting the internal jumpers and performing a complete operation check of the system. After installation is complete and performance verified, the control unit can be easily mounted using wire ties through the mounting tabs on the bottom of the unit.

## *Mounting the Siren*

Choose a siren mounting location that is away from heat sources such as exhaust manifolds, and where it cannot be easily accessed from underneath the vehicle. Be sure to face the siren downward to prevent the collection of water in the siren's housing.

Always route all wires from the engine compartment into the interior of the vehicle through a proper grommet.

## *Mounting the Shock Sensor*

Choose a suitable interior mounting location for the shock sensor that provides ample coverage of the vehicle. Keep the sensor away from the vehicle's ECM or other sources of electrical interference. Suggested mounting locations include air conditioning ducts, dashboard braces, or center console supports.

During proper operation, the shock sensor will detect impacts to the vehicle only and will not usually be triggered by slow rocking movements of the vehicle like those caused by wind.

## *14-Pin Main Harness*

Pin 1 **RED WIRE**: +12V Battery Input (15A Fuse). The RED wire must be connected to a clean source of continuous +12V power.

Pin 2 **WHITE WIRE**: Parking Light Output (+/-) relay. Connect the White wire to the circuit that shows +12V or ground only when the parking lights are on and set the internal parking light relay jumper to the proper polarity. For parking light circuits exceeding 10 amps, a relay is required. For vehicle's with independent left and right parking light circuits, diodes must be installed to keep the circuits separate. NOTE: Do not connect the WHITE wire to the vehicle's headlight circuit.

Pin 3 **BROWN WIRE**: Siren Output (+) 3A. The BROWN wire must connect to the siren's red wire. The BLACK siren wire must be grounded.

Pin 4 **BLUE/WHITE:** Passenger Unlock output (-) 500mA. Connect to an optional relay to unlock the passenger doors for two-stage unlock (see Two Stage Door Lock Diagrams).

Pin 5 **WHITE/RED WIRE**: Auxiliary 2 Output (-) 500mA. Connect to a relay or module for an optional feature such as power window activation or remote start, etc.

Pin 6 **ORANGE WIRE**: Armed Output (-) 500mA. The ORANGE wire provides a ground output while armed to activate an optional starter defeat relay or other device such as a power window control module.

Pin 7 **BROWN/WHITE WIRE**: Horn Output (-) 500mA. Connect to an optional relay to activate the vehicle's horn when the alarm is triggered.

Pin 8 **BLACK/WHITE WIRE**: Dome Light Output (-) 500mA. Connect to an optional relay for dome light activation.(See GREEN and VIOLET door trigger wires).**NOTE: MUST USE RELAY**

Pin 9 **BLUE WIRE**: Trunk/Hood trigger Input (-). Connect the BLUE wire to the trunk and/or optional hood pin switches. The switch must provide a ground output when opened.

Pin 10 **GRAY WIRE**: Auxiliary 1 Output (-) 500mA. Connect to a relay or module for an optional feature such as trunk release, etc.

Pin 11 **YELLOW WIRE**: +12V Ignition Input. The YELLOW wire must connect to a main ignition wire at the ignition harness. This wire must show +12V when the ignition is on.

Pin 12 **BLACK WIRE**: Ground Input (-). The BLACK wire must connect to a solid chassis ground. Clean away any paint or dirt to insure the best possible ground.

Pin 13 **VIOLET WIRE**: Positive door trigger Input (+). Connect to the door switch circuit wire that shows +12V when the door is open. This type of door circuit is usually found on Ford vehicles.

Pin 14 **GREEN WIRE**: Negative door trigger Input (-). Connect to the door switch circuit wire that shows ground when the door is open.

## *Plug-in Connectors*

**3-Pin White Door Lock Connector:** Plug-in connector port for door lock harness or optional door lock relay module.

- BLUE WIRE - negative unlock output (-) 500mA.
- GREEN WIRE - negative lock output (-) 500mA.

**2-Pin Red Connector:** Plug-in connector port for LED. Mount the LED in an area where it may be easily seen from either side of the vehicle.

**2-Pin Blue Connector:** Plug-in connector port for valet switch. Mount the valet switch in an area that is easily accessible from the driver's position.

**4-Pin White Connector :** Plug-in connector port for dual stage shock sensor.

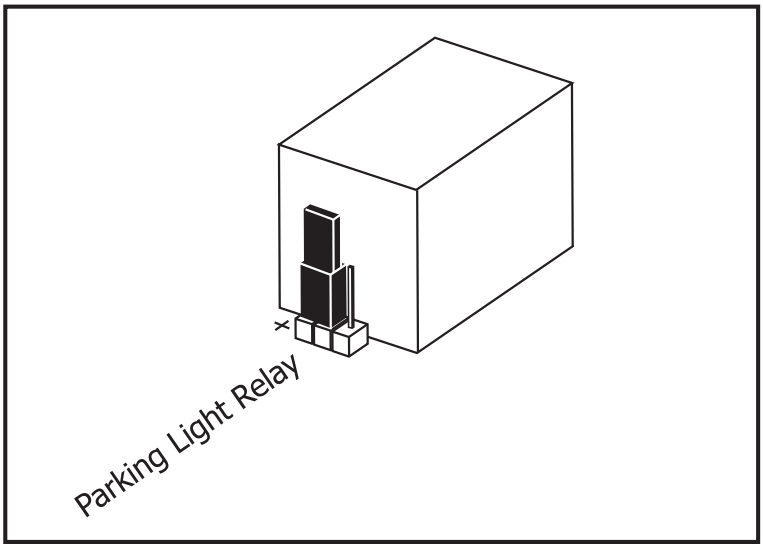
# Jumper Settings

## *Jumper Selection*

Carefully separate the top and bottom halves of the main unit case. Once the cover is removed, the parking light polarity jumper will be visible next to the parking light relay. Set the jumper for the correct polarity output as described below, then reassemble the main unit case.

**Parking Light Output.** Selects the polarity (+/-) for the output of the on-board Parking Light relay.

Left Pin + Center Pin = positive
Right Pin + Center Pin = negative




Default setting shown

# System Programming

## *Entering System Programming*

To enter System Programming:

1. Turn on ignition.
2. Within 5 seconds, press the valet switch 5 times.
   - The siren will provide three chirps, indicating that you have entered Programming.
3. Press the valet switch the number times equal to the System Option you want to change.
   - The siren will chirp each time the valet switch is pressed.
4. Within 5 seconds, press the transmitter button corresponding to the desired operating mode for that System Option.
   - The siren will chirp to indicate the setting.

     1 chirp = Button 1
     2 chirps = Button 2
     3 chirps = Button 3
5. When you are finished, turn off the ignition to save the changes.

## *Default Reset*

Following this procedure will set all Programmable System Options to factory default settings.

1. Enter System Programming.
2. Press Transmitter Button 3.
   - The siren will chirp 6 times indicating that the reset signal was received.
   - All Programmable System Options are now set to factory default settings.
   - The Valet Mode is off.
3. Turn off ignition.

## *Programmable System Options*

The following is a description of the programming options. Some program branches control more than one option, and may require accessing a particular branch number twice in order to program all desired features.

1. **Horn Chirps with Arm & Disarm.** Selects one of two modes: Normal, Horn Chirps

   Normal. When selected, the horn will honk only when the alarm is triggered.

   Horn Chirps. When selected, the horn will provide the arm/disarmed trigger indications, allowing the siren installation to be skipped.
2. **Arm Mode.** Selects one of two modes: Manual Arming or Passive Arming.
3. **Passive Door Locking.** Selects whether or not the system will automatically lock the doors during Passive Arming.
4. **Ignition Controlled Locks/ Override Code Set.** This dual program branch sets Ignition Controlled Locking and programs the optional Emergency Override Code. If Lock Only is selected, the doors will not automatically unlock when the ignition is turned off.

   Override Code Set. Changes the Emergency Override Code for a higher level of security (see page 7).
5. **Ignition Door Unlocking.** Selects whether or not the system automatically unlocks the doors when the ignition is turned off. The Ignition Door Locking feature may be programmed to unlock all doors or the driver's door only. If driver's door only is selected, the optional Passenger Unlock feature must be connected. (*See Two Stage Door Lock Diagrams*)

6. **Ignore Open Door Report.** Bypasses the open zone warning chirps for vehicles equipped with a residual dome light circuit that remains ON for a period of time after closing the door.
7. **Auto Rearming Mode.** When selected, the system will automatically re-arm and lock 30 seconds after it has been disarmed regardless if a door is open or closed.
8. **Door Unlock Pulse.** Selects between one pulse or two pulse operation for the door unlock output. Vehicles that require two pulses on the proper wire to unlock the doors can be interfaced directly without the use of relays or any additional circuitry by programming the system for double unlock pulse.
9. **Warn-Away Pager Report.** When Enabled, Warn-Away report will be sent to the pager. If Disabled no Warn-Away report will be sent to the pager.
10. **Disarm with Auxiliary 1**. When selected, activating the Auxiliary 1 output (usually used to open the trunk) will disarm the alarm.
11. **Door Lock Pulse Length.** Selects between a 1, 3 or 0.1 second output for door locking and unlocking. Program to 3 seconds for vehicles equipped with vacuum door locking systems.
12. **Anti-Carjack Type.** Selects one of three modes for Anti-Carjacking: Active, Passive, or Full-Time.

    Manual. When selected, pressing Button 4 will automatically engage the Anti-Carjacking feature.

    Passive. When selected, the Anti-Carjacking feature will activate whenever a door is opened while the ignition is on.

    Full-Time. When selected, the Anti-Carjacking feature will automatically activate each time the ignition is turned on.
13. **Anti-Carjack Mode.** Enables Anti-Carjacking protection.
14. **Horn Honk Output.** Selects the output, when activated, to be pulsing or constant.
15. **Aux 2 Auto Activate with Arm.** When selected, the Auxiliary 2 output will activate when the system is armed. This feature can be used to roll-up windows, close sunroofs, activate accessories, etc.
16. **Auxiliary 1 Mode.** Selects from momentary, 10 second timed, or latched operation for Auxiliary 1.

    Momentary operation provides an output for as long as the transmitter button is pressed.

    Timed operation provides an output that turns on for 10 seconds each time the transmitter button is pressed. If the button is pressed again during the 30 seconds, the output will turn off.

    Latched operation provides an output that turns on when the transmitter button is pressed and remains on until the transmitter button is pressed again.
17. **Auxiliary 2 Mode.** Selects from momentary, 10 second timed, or latched operation for Auxiliary 2.

    Momentary operation provides an output for as long as the transmitter button is pressed.

    Timed operation provides an output that turns on for 10 seconds each time the transmitter button is pressed. If the button is pressed again during the 30 seconds, the output will turn off.

    Latched operation provides an output that turns on when the transmitter button is pressed and remains on until the transmitter button is pressed again.
18. **Auxillary 2 Output Selectable.** Selects either Auxillary 2 output, starter output or ignition output.
19. **Extended Parking Lights.** When selected, the parking lights will remain ON for 30 seconds after disarming the system.

**20. Data Bus Input Triggers.** When enabled, the system will read all available triggers from the bypass module. If disabled the system triggers must be hardwired.

**21. Data Bus Interface Mode.** Selects between iData, Fortin, or Fortin RF kit bypass modules.

**22. Starter Confirmation Chirps.** When enabled system chirps before remote stater activated, when disabled, no chirps will sound upon remote start.

**23.Lock After Start.** this dual program branch selects lock after start, and enables push to start.

Lock after Start ,when selected On, the doors will automatically lock after remote starting.

Push to Start enable, when selected, ??????????????

**24.Lock After Shutdown**. this dual program branch selects unlock after shutdown, and disables push to start.

Unlock after Shutdown ,when selected On, the doors will automatically unlock after engine shutdown.

Push to Start disable, when selected , ??????????????

**25.Unlock Before Start.** when enabled, system will unlock doors prior attempting to start the engine.

**26. Engine Run Time.** Selects between 15 or 25 minutes for the remote start run cycle.

**27.Automatic Start Mode.** Selects between every two hours or every one hour for the automatic engine starting feature.

**28. Crank Time.** Selects between normal, extended and super extended cranking time for tech-less mode

**29. Engine Sense Mode.** Selects between Monitor off or data bus??????????????

**30.Engine Type.** Selects between Gas engine or Diesel Engine

Gas Engine, sets the engine type for gasoline, remote starter will crank the engine 2 seconds after receiving remote start command.

Diesel Engine, sets the engine type for Diesel, remote starter will crank the engine 10 seconds after receiving remote start command.

**31.Turbo Mode.** When enabled ??????????????/

**32. Factory Alarm Upgrade.** When enabled system will arm and disarm using the factory remote

Enabled with Validation, factory remote will disarm only when the Factory disarm validation input is connected to the horn or parking lights. (this input must be activated within a second upon unlock by the factory remote).

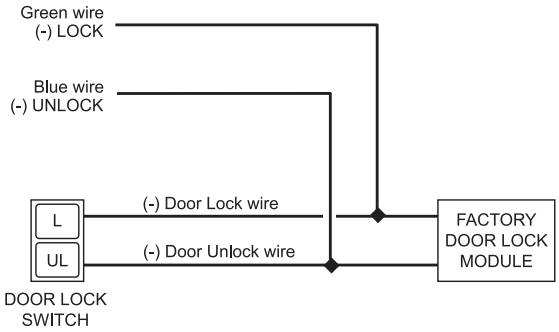
# Programming Branch Table

| Branch | Feature | Button 1 (default) | Button 2 | Button 3 |
|---|---|---|---|---|
| 1 | Horn Chirps w/ Arm&Disarm | Normal | Chirps Disabled | Horn Chirps |
| 2 | Arm Mode | Manual Arming | Passive Arming | |
| 3 | Passive Door Locking | Disable | Enable | |
| 4 | Ignition Controlled Locks | On | Off | Set Override Code |
| 5 | Ignition Controlled Unlock | All | Driver Only | Disabled |
| 6 | Ignore Open Door Report | Report | Ignore | |
| 7 | Auto Rearming | Disable | Enable | |
| 8 | Door Unlock Pulse | Single | Double | Pulse Ignition with unlock |
| 9 | Warnaway Report | Enable | Disable | |
| 10 | Disarm with Aux 1 | Disable | Enable | |
| 11 | Door Lock Pulse Length | 1 second | 3 seconds | 0.1 second |
| 12 | Anti-Carjack Type | Manual | Passive | Full-time |
| 13 | Anti-Carjack Mode | Disable | Enable | |
| 14 | Horn Honk Chirp | Normal | Louder | Loudest |
| 15 | Aux 2 Activate on Arm | Disable | Enable | |
| 16 | Aux 1 Mode | Pulsed | Timed | Latched |
| 17 | Aux 2 Mode | Pulsed | Timed | Latched |
| 18 | Aux 2 Type | Channel Output | Starter Output | Ignition Output |
| 19 | Extended Parking Lights | On | Off | |
| 20 | Databus Input Triggers | Enable | Disable | |
| 21 | Data Bus Interface Mode | iDataLink | Fortin | Fortin RF Kit Enable |
| 22 | Starter Confirmation Chirps | Disable | Enable | |
| 23 | Lock After Start | On | Off | Push to Start Enable |
| 24 | Lock After Shutdown | On | Off | Push to Start Disable |
| 25 | Unlock Before Start | Disable | Enable | |
| 26 | Engine Run Timer | 15 Minutes | 25 Minutes | |
| 27 | Automatic Start Mode | 2 Hours | 1 Hour | |
| 28 | Crank Time | Normal | Extended | Super Extended |
| 29 | Engine Sense Mode | Monitor Off | Data Bus | |
| 30 | Engine Type | Gas | Diesel | |
| 31 | Turbo Mode | Off | On | |
| 32 | Factory Alarm Upgrade | Disabled | Enable with validation | Enable |

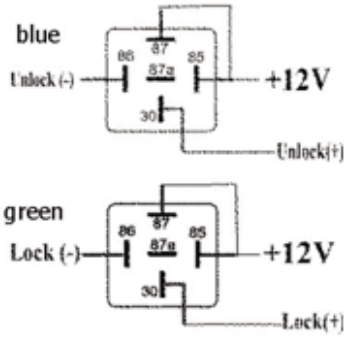
# Door Lock Diagrams

Follow the diagrams below for connecting basic door lock systems. For Two Stage door lock systems (separately unlocks driver and passenger doors) see following pages.

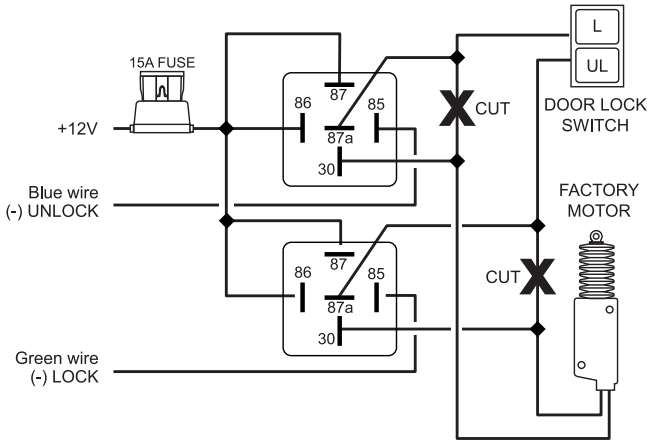
## Negative Trigger



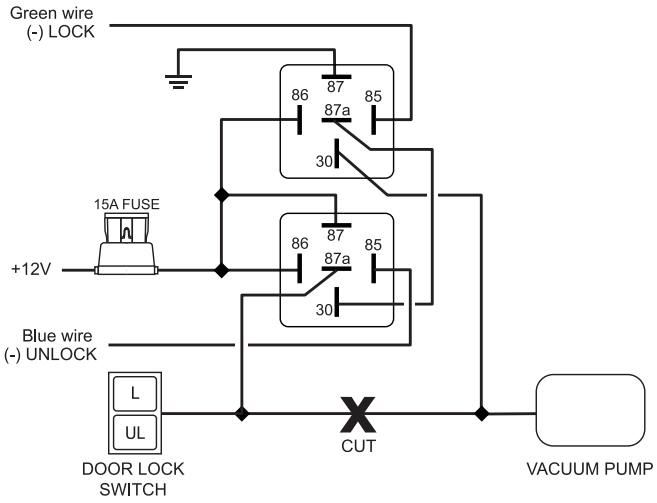

## Positive Trigger



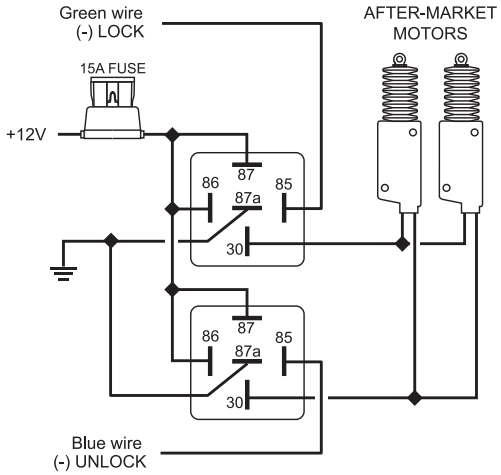

## Reverse Polarity




## Vacuum



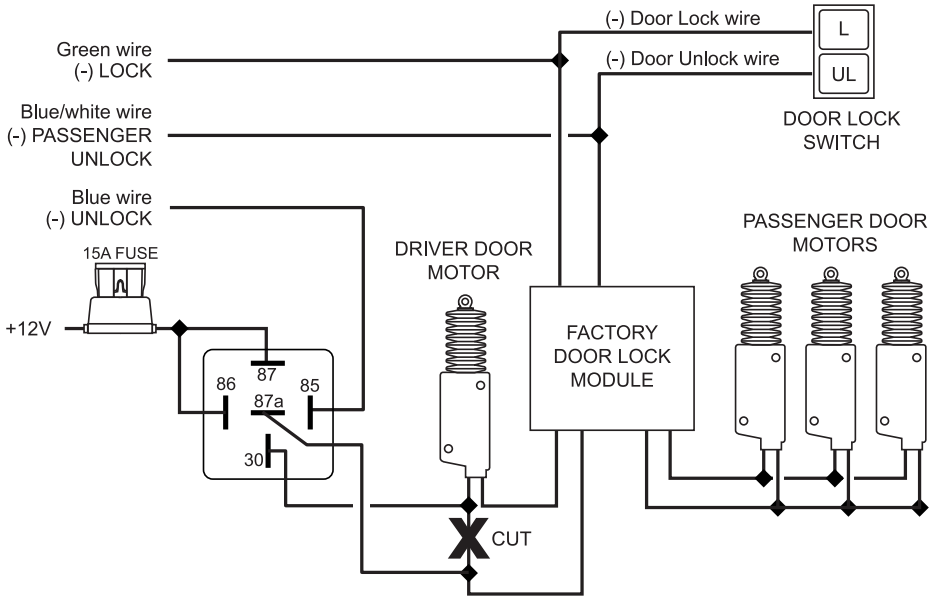

## Adding Actuators



# Two Stage Door Lock Diagrams

The G777,G27,A777,A20 is equipped with a dedicated Passenger Unlock output allowing Two Stage Door Lock operation. When connected as shown below, disarming the system will unlock only the driver's door. Pressing the disarm button again will unlock all doors.

## Two Stage Negative Trigger



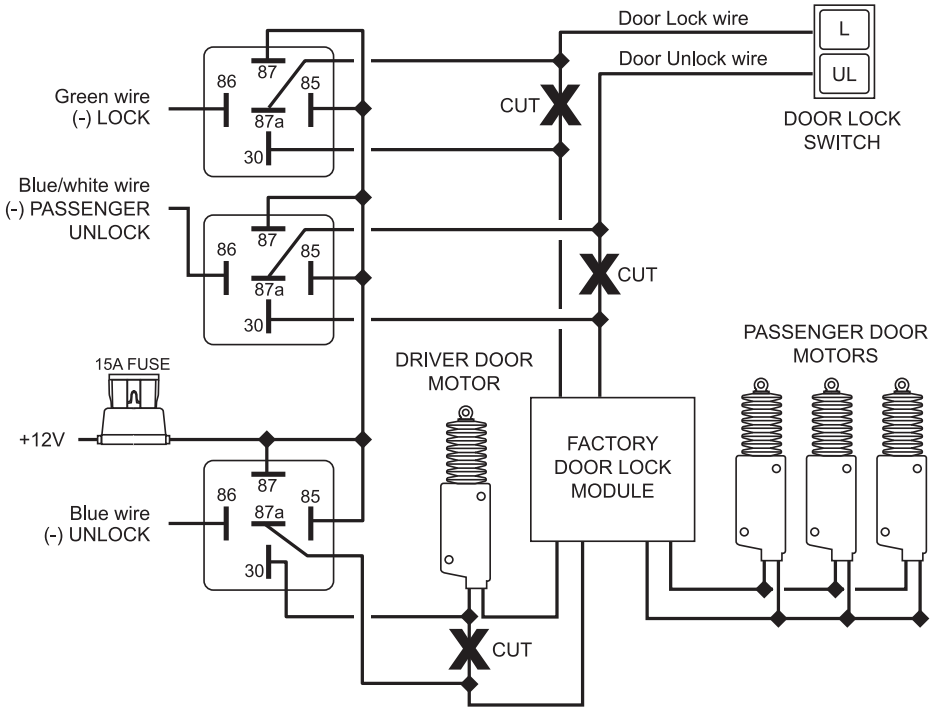

## Two Stage Positive Trigger

***From Inverter or Relay***

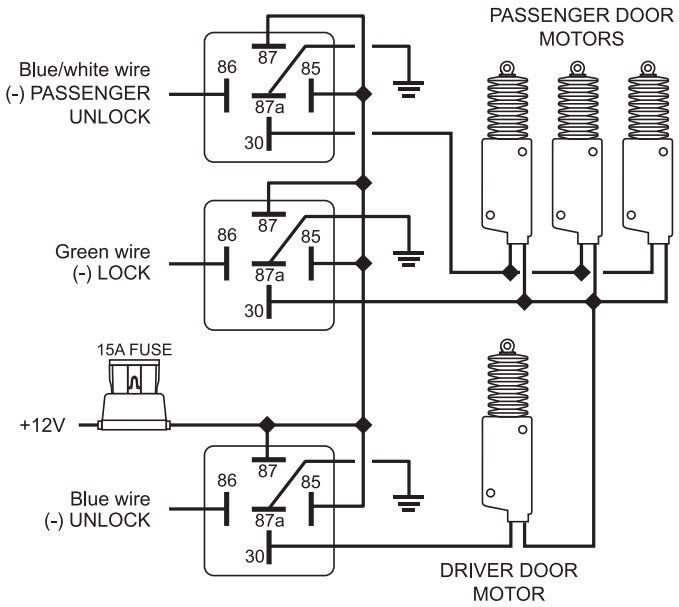
***From Inverter or Relay***

# Two Stage Door Lock Diagrams cont'd

## Two Stage Reverse Polarity




## Two Stage Adding Actuators



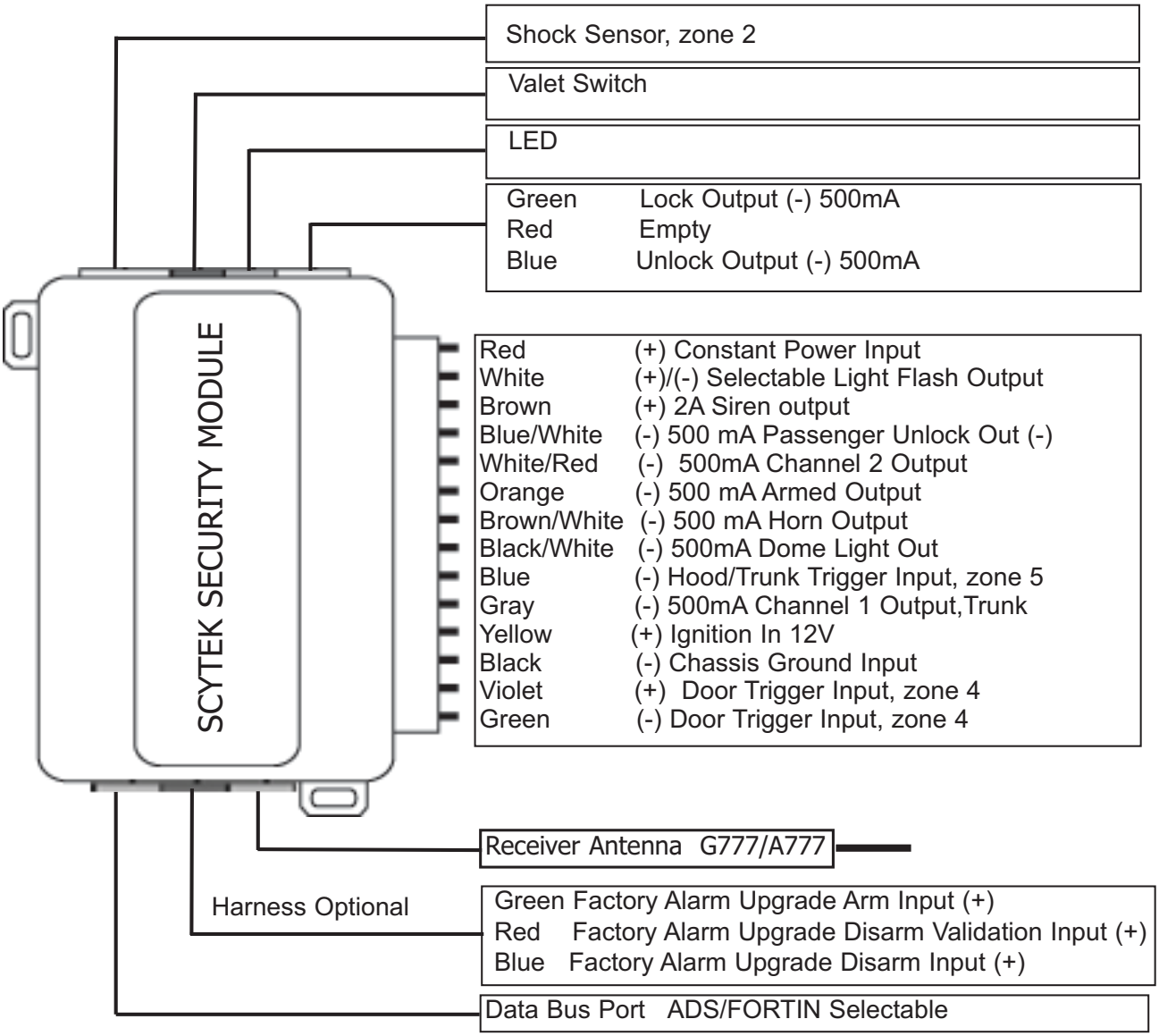
**FCC ID: OARRXAM2000**

This device complies with Part 15 of FCC Rules.
Operation is subject to the following two conditions:

1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation

G777,A777

# Wiring Diagram


Shock Sensor, zone 2
Valet Switch
LED
Green Lock Output (-) 500mA
Red Empty
Blue Unlock Output (-) 500mA
SCYTEK SECURITY MODULE
Red (+) Constant Power Input
White (+)/(-) Selectable Light Flash Output
Brown (+) 2A Siren output
Blue/White (-) 500 mA Passenger Unlock Out (-)
White/Red (-) 500mA Channel 2 Output
Orange (-) 500 mA Armed Output
Brown/White (-) 500 mA Horn Output
Black/White (-) 500mA Dome Light Out
Blue (-) Hood/Trunk Trigger Input, zone 5
Gray (-) 500mA Channel 1 Output,Trunk
Yellow (+) Ignition In 12V
Black (-) Chassis Ground Input
Violet (+) Door Trigger Input, zone 4
Green (-) Door Trigger Input, zone 4
Receiver Antenna G777/A777
Harness Optional
Green Factory Alarm Upgrade Arm Input (+)
Red Factory Alarm Upgrade Disarm Validation Input (+)
Blue Factory Alarm Upgrade Disarm Input (+)
Data Bus Port ADS/FORTIN Selectable

# G777,G27
# A777,A20 Vehicle Security Series

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